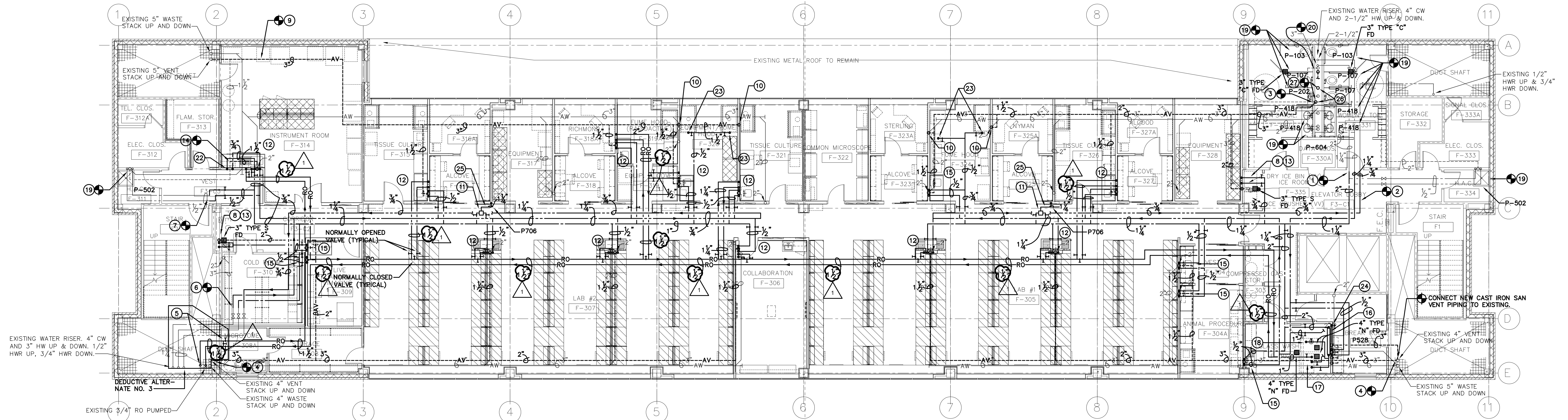
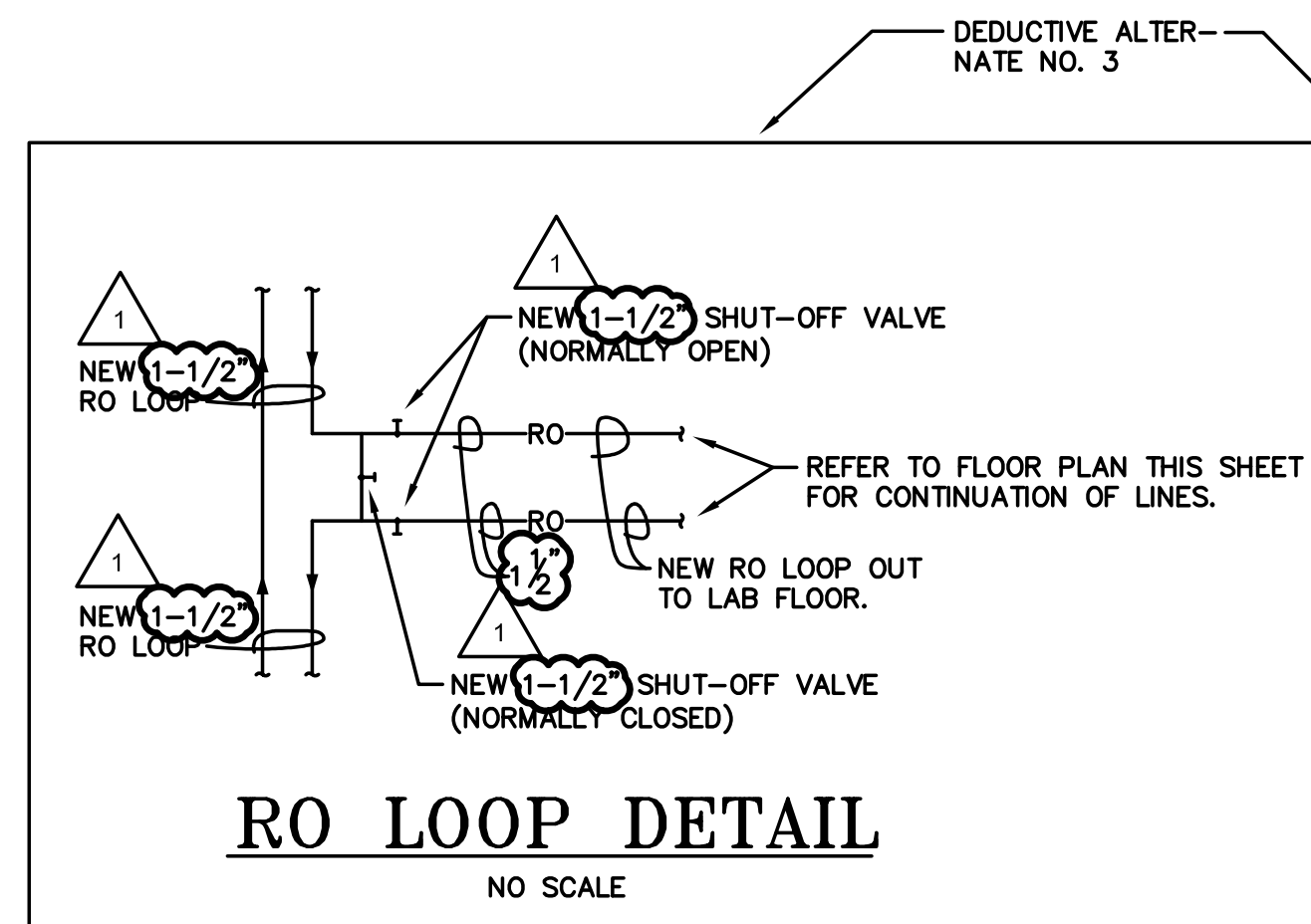
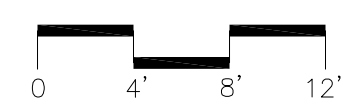


PART A PART B



PLUMBING - WATER/ WASTE/ VENT OVERALL PLAN - THIRD FLOOR



RO WATER SYSTEM NOTE:

RECIRCULATED RO LOOP TO BE ROUTED DOWN IN WALL AT EACH SINK AND MAINTAINED AT FULL SIZE DOWN AND BACK UP IN WALL THROUGHOUT ENTIRE FLOOR AS SHOWN.

CONTRACTOR EXISTING UTILITIES NOTE:

CONTRACTOR IS TO ALLOCATE MONEY IN THE FINAL PRICE AS REQUIRED TOWARD THE RE-WORKING OF EXISTING UTILITIES AND INSTALLATION OF NEW UTILITIES COMING IN AND GOING OUT OF ALL EXISTING CHASES AND COORDINATE RE-WORKING AND INSTALLATION OF UTILITIES WITH OTHER TRADES.

KEY NOTES

1. CONNECT NEW 1-1/4" HOT AND 2" COLD WATER LINES TO EXISTING. FIELD VERIFY EXACT CONNECTION POINT.
2. CONNECT NEW 3/4" HOT WATER RE-CIRCULATION LINE TO EXISTING. FIELD VERIFY EXACT CONNECTION POINT.
3. CONNECT NEW 3" VENT LINE TO EXISTING. FIELD VERIFY EXACT CONNECTION POINT.
4. CONNECT NEW 3" VENT LINE TO EXISTING 4" VENT STACK. FIELD VERIFY EXACT CONNECTION POINT.
5. NEW 1-1/2" RO LOOP UP TO PENTHOUSE AND DOWN TO SECOND FLOOR CEILING. REFER TO RO LOOP DETAIL THIS SHEET AND NEW RO LOOP SCHEMATIC ON 1-PL0.02-357 FOR ADDITIONAL INFORMATION.
6. CONNECT NEW 1-1/4" HOT WATER, 1-1/4" COLD WATER AND 3/4" HOT WATER RE-CIRCULATION LINES TO EXISTING. FIELD VERIFY EXACT CONNECTION POINT.
7. CONNECT NEW 1/2" HOT AND COLD WATER LINES TO EXISTING. FIELD VERIFY EXACT CONNECTION POINT.
8. PROVIDE 3/4" COLD WATER ROUGH-IN AND FINAL CONNECTION TO OWNER FURNISHED ICE MAKER. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT VENDOR.
9. CONNECT NEW 2" VENT LINE TO EXISTING. FIELD VERIFY EXACT CONNECTION POINT.
10. PROVIDE 1-1/2" WASTE ROUGH-IN AND FINAL CONNECTION TO OWNER FURNISHED FUME HOOD FOR CUP SINK. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT VENDOR.
11. 1-1/4" HOT WATER AND 1-1/4" COLD WATER SUPPLY TO EMERGENCY FIXTURE THERMOSTATIC MIXING VALVE. MIXING VALVE SHALL MEET ANSI Z358.1-2004. MIXING VALVE SHALL BE FURNISHED COMPLETE WITH ADJUSTABLE TEMPERATURE SET POINT, INTEGRAL STRAINER CHECKSTOPS ON INLETS, BUILT-IN COLD WATER BYPASS, POSITIVE SHUTOFF OF HOT SUPPLY WITH COLD SUPPLY IS LOST, DIAL THERMOMETER. THE MIXING VALVE SHALL PROVIDE A MINIMUM FLOW OF 24 GPM AT 15 PSI.
12. 1/2" HOT WATER, 1/2" COLD WATER, 1/2" RO WATER, AND 2" VENT LINES DOWN IN WET WALL TO SERVE LABORATORY SINK, EYEWASH, AND DI FAUCET. SINK, SINK TRIM, EMERGENCY EYE WASH, DI FAUCET TO BE PROVIDED BY CASEWORK MANUFACTURER AND INSTALLED BY CONTRACTOR. COORDINATE EXACT ROUGH-IN REQUIREMENTS WITH CASEWORK PROVIDER.
13. PROVIDE 1/2" COLD WATER CONNECTION TO ICE MAKER CONDENSER. ICE MAKER IS WATER COOLED. WATER CONNECTION SHALL BE ISOLATED WITH A WATTS MODEL 90 DUAL CHECK VALVE. ROUTE ATMOSPHERIC VENT TO DRAIN. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT VENDOR.
14. CONNECT NEW 1-1/2" VENT LINE TO EXISTING. FIELD VERIFY EXACT CONNECTION POINT.
15. 1/2" HOT WATER, 1/2" COLD WATER, AND 2" VENT LINE DOWN IN WET WALL TO SERVE LABORATORY SINK AND EYE WASH. SINK, SINK TRIM, AND EMERGENCY EYE WASH TO BE PROVIDED BY CASEWORK MANUFACTURER AND INSTALLED BY CONTRACTOR. COORDINATE EXACT ROUGH-IN REQUIREMENTS WITH CASEWORK PROVIDER.
16. PROVIDE RBPB FOR BOTH COLD WATER AND HOT WATER LINE THAT WILL SERVE THE STERILIZER AND GLASS WASHER IN GLASS WASH F-302. PROVIDE 2" RBPB FOR CW LINE. PROVIDE 1" RBPB FOR HW LINE. RBPB'S TO BE ANCHORED TO WALL AND STACKED ON ON TOP OF THE OTHER DISCHARGES FROM RBPB'S TO BE ROUTED TO NEAREST FLOOR DRAIN. PROVIDE AIR GAPS AS REQUIRED.
17. 1-1/2" CW LINE, 1" HW LINE, AND 1" RO LINE DOWN TO SERVE GLASS WASHER. CONTRACTOR TO VERIFY EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER'S CUT-SHEETS.
18. 1-1/2" CW LINE DOWN TO SERVE STERILIZER. CONTRACTOR TO VERIFY EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER'S CUT-SHEETS.
19. CONNECT NEW PLUMBING FIXTURES TO EXISTING WASTE, WATER, AND VENT SERVICES THAT SERVED EXISTING PLUMBING FIXTURES AT THIS LOCATION.
20. CONNECT NEW 2" VENT TO EXISTING VENT SERVING PUBLIC TOILETS.
21. NOT USED.
22. 3/4" CW AND HW LINES DOWN TO SERVE UNDERCOUNTER DISHWASHER. CONTRACTOR TO VERIFY EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER'S CUT-SHEETS.
23. PROVIDE 1/2" WATER ROUGH-IN AND FINAL CONNECTION TO OWNER FURNISHED FUME HOOD FOR CUP SINK. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT VENDOR. ROUGH-IN AND FINAL CONNECTION TO BE INSTALLED WITHIN HOOD SHROUD. PROVIDE ACCESSIBLE SHUT-OFF VALVE ABOVE CEILING AS SHOWN FOR MAINTENANCE PURPOSES.
24. PROVIDE 1/2" CW CONNECTION TO IN WALL REFRIGERATOR ICE MAKER BOX W/ 1/4" BALL VALVE.
25. EMERGENCY SHOWER TO BE EQUIPPED WITH LOCAL FLOW ALARM SYSTEM. LOCAL FLOW ALARM SYSTEM IS TO ALSO BE INTEGRATED INTO DDC CONTROL SYSTEM FOR BUILDING. REFER TO JOB SPECIFICATIONS MANUAL 22 40 00, P706 EMERGENCY SHOWER FIXTURE FOR FLOW ALARM SYSTEM SPECIFICATION DATA. REFER TO MECHANICAL DRAWINGS FOR DDC CONTROL SYSTEM DESIGN CRITERIA.
26. NEW 6" WASTE STACK AND NEW 6" VENT STACK UP AND DOWN.
27. CONNECT NEW 6" WASTE STACK AND NEW 6" VENT STACK TO EXISTING 6" WASTE STACK AND EXISTING 6" VENT STACK.

** APPLIES TO THIS SHEET ONLY **

WALL LEGEND

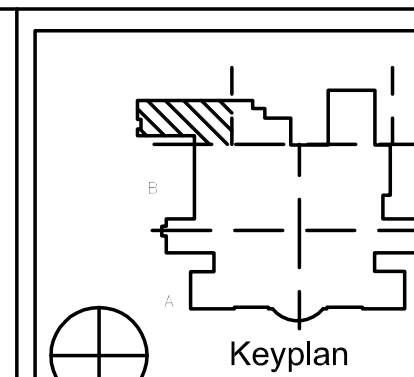
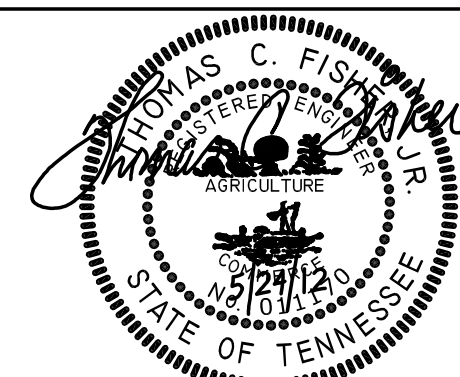
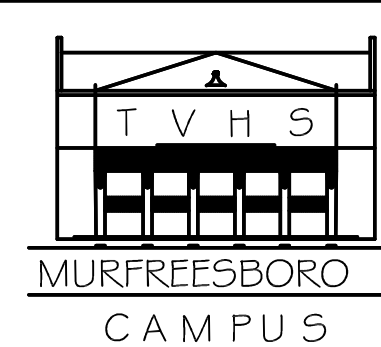
- EXISTING PARTITION
- EXISTING ONE HOUR FIRE BARRIER
- EXISTING TWO HOUR FIRE BARRIER
- NEW TYPICAL PARTITION
- NEW 1-HR. RATED FIRE PARTITION
- NEW 2-HR. RATED FIRE PARTITION

FULLY SPRINKLERED

Revisions	Date
AMENDMENT #4	5/24/12



Tennessee Valley Healthcare System



Project Title: VA Renovation Research Lab Phase 3		Date: 3-5-2012
Drawing Title: OVERALL PLAN - THIRD FLOOR - PLBG - WATER/ WASTE/ VENT		Project No.: 626-11-101
Prepared By: [Signature]		Drawing No.: 1-PL3.03-357
Approved By: [Signature]		Drawn By: 63
Building Number: [Blank]		Sheet: 63 of 92
Floor: [Blank]		Checked By: RSM
Project By: BDA		Department of Veterans Affairs